

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Takashi NOZU  
Title: IMAGE EXPANDING  
APPARATUS AND METHOD  
THEREOF  
Appl. No.: Unassigned  
Filing Date: August 4, 2003  
Examiner: Unassigned  
Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

Document A1 is a U.S. counterpart of Document A2, the relevance of which is cited in the specification.

The relevance of Documents A3-A5 is described in the present specification. An English translation of each of the foreign-language documents is not readily available; however, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). English language abstracts are provided.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated,

otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: August 4, 2003

FOLEY & LARDNER  
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

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for

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: August 4, 2003 <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number		Unassigned
				Filing Date		August 4, 2003
				First Named Inventor		Takashi NOZU
				Group Art Unit		Unassigned
				Examiner Name		Unassigned
Sheet 1 of 1				Attorney Docket Number		040447-0251

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	2002/0057843	A1	MATSUBARA	05-16-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A2	JP	2002-152744		RICOH CO. LTD.	05-24-2002		A
	A3	JP	2002-152517		RICOH CO. LTD.	05-24-2002		A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A4	Information Technology, JPEG 2000 Image Coding System: Compound Image File Format (November 2001), pp. 1-76, <a href="http://www.jpeg.org/public/fcd15444-1.pdf">http://www.jpeg.org/public/fcd15444-1.pdf</a> .	
	A5	Information Technology, JPEG 2000 Image Coding System (March 2000), pp. 1-190, <a href="http://www.jpeg.org/public/fcd15444-6.pdf">http://www.jpeg.org/public/fcd15444-6.pdf</a> .	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

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DIALOG(R)File 351:Derwent WPI  
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014633462 \*\*Image available\*\*  
WPI Acc No: 2002-454166/200248  
XRPX Acc No: N02-358241

Image decompression method involves determining decomposition level, such that wavelet transform coefficients in determined decomposition level has size equal to or nearer to size of decompressed image

Patent Assignee: RICOH KK (RICO ); MATSUBARA A (MATS-I)

Inventor: MATSUBARA A

Number of Countries: 028 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020057843	A1	20020516	US 2001985784	A	20011106	200248 B
JP 2002152517	A	20020524	JP 2000344155	A	20001110	200250
JP 2002152744	A	20020524	JP 2000344391	A	20001110	200250
EP 1229738	A1	20020807	EP 2001125478	A	20011106	200259
JP 2002344732	A	20021129	JP 2001142942	A	20010514	200309
JP 2003018410	A	20030117	JP 2001195937	A	20010628	200317

Priority Applications (No Type Date): JP 2001195937 A 20010628; JP 2000344155 A 20001110; JP 2000344391 A 20001110; JP 2001142942 A 20010514

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20020057843	A1		20	G06K-009/36	
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JP 2002152517	A		7	H04N-001/41	
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JP 2002152744	A		6	H04N-007/30	
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EP 1229738	A1 E			H04N-007/26	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002344732	A		8	H04N-001/393	
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JP 2003018410	A		8	H04N-001/41	
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